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PTO/SB/05 (03-01)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

| | |
|------------------------|----------------|
| Attorney Docket No. | 9-15652-1US |
| First Inventor | BALTOIU, Len |
| Title | DRILLING FLUID |
| Express Mail Label No. | |

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☒ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification [Total Pages **29**]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. ☐ Drawing(s) (35 U.S.C. 113) [Total Sheets
5. Oath or Declaration [Total Pages **1**]
 - a. ☒ Newly executed (original or copy)
 - b. ☐ Copy from a prior application (37 CFR 1.63 (d))
(for continuation/divisional with Box 18 completed)
 - i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s)
named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☒ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO:Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - a. ☐ Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. ☐ CD-ROM or CD-R (2 copies); or
 - ii. ☐ paper.
 - c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☒ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No.: _____/_____

Prior application information:

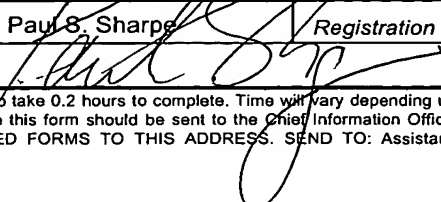
Examiner: _____

Group Art Unit: _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS☒ Customer Number or Bar Code Label**020988**
(Insert Customer No. or Attach bar code label here)or ☐ Correspondence address below

| | | | | | |
|---------|----------------------------|-----------|----------|----------|--------------|
| Name | Ogilvy Renault | | | | |
| | Suite 1600 | | | | |
| Address | 1981 McGill College Avenue | | | | |
| City | Montreal | State | Quebec | Zip Code | H3A 2Y3 |
| Country | CANADA | Telephone | 613-780- | Fax | 613-230-6706 |

| | | | |
|-------------------|--|-----------------------------------|---------------|
| Name (Print/Type) | Paul S. Sharpe | Registration No. (Attorney/Agent) | 39,493 |
| Signature |  | Date | April 1, 2004 |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.



(please place mailroom date stamp here)

OGILVY RENAULT

S. E. N. C.

BARRISTERS & SOLICITORS
PATENT & TRADE-MARK AGENTS

45 O'Connor Street
Suite 1600
Ottawa, Ontario, Canada K1P 1A4
☎ (613) 230-6072 – Fax: (613) 230-6706

Filing Cover Sheet for Document Filed with U.S. PTO Mailroom

Agent's file reference: 9-15652-2US

Ser. No. and filing date (if known): _____ / _____

TYPE OF DOCUMENT SUBMITTED

- ☒ Patent application ☐ Provisional ☒ Nonprovisional
☐ Response to **NOTICE TO FILE MISSING PARTS**
☒ IDS ☐ Response to office action
☐ Issue fee ☐ Formal drawings
☐ Other: _____

CONTENTS OF SUBMISSION

- ☒ Filing cover page
☒ Utility Patent Application Transmittal PTO/SB/05
☒ Application having 29 pages and including 10 claims
☒ Information disclosure statement with form PTO 1449
☒ SIGNED inventor declaration with 3 signature(s)
☒ Assignment(s) and assignment recordal sheet(s) (1) in number
☒ Patent Application Fee Determination Record PTO/SB/06 and
Fee Transmittal Form PTO/SB/17
☒ Power of Attorney
☒ Other item with 1 pages and described by:
Return Receipt Postcard

Hand delivered to PTO mailroom by:

Time and date of delivery: _____

SWABEY OGILVY RENAULT

April 1, 2004



Mail Stop Patent Application

Commissioner for Patents
United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450
U.S.A.
U.S.A.

Sir:

Re: New United States Patent Application
Title: DRILLING FLUID
Inventors: BALTOIU, Len et al.
Our File: 9-15652-2US

Transmitted herewith for filing is the patent application of:

INVENTOR: Len BALTOIU et al.

TITLE OF THE INVENTION: DRILLING FLUID

The following documents are enclosed:

- a) Utility Patent Application Transmittal PTO/SB/05
- b) Fee Transmittal Form PTO/SB/17 (in duplicate) and Patent Application Fee Determination Record PTO/SB/06, covering:

| | |
|---|-----------------|
| Filing Fee | \$385.00 |
| Recording of Assignment | \$ 40.00 |
| Total Number of Claims: | 10 |
| Independent claims in excess of 3 (0 @ \$84/42) | \$ 0.00 |
| Claims in excess of 20 (0 @ \$18/9) | \$ 0.00 |
| Multiple dependent claim (0 @\$280/140) | \$ 0.00 |
| Total | \$425.00 |
- c) Specification/Claims/Abstract
- d) Information Disclosure Statement with PTO Form 1449
- e) Declaration under 37 CFR 1.63, with

Barristers & Solicitors,
Patent Agents & Trade-mark Agents

Suite 1600
45 O'Connor Street
Ottawa, Ontario K1P 1A4
Canada

Telephone (613) 780-8661
Fax (613) 230-5459

ogilvyrenault.com

Assistant Commissioner of Patents

- f) Power of Attorney
- g) Assignment in favor of Q'MAX SOLUTIONS INC.
with Recordation Form PTO-1595
- h) Return receipt postcard.

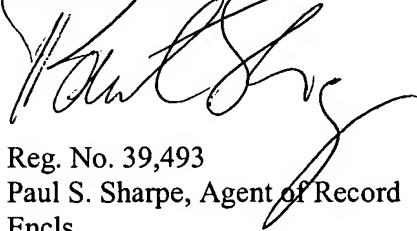
The applicant/inventor(s) qualify for **small** entity status.

Benefit under 35 U.S.C. 119(e) is claimed of the United States provisional application No. 60/460,878, filed April 8, 2003.

The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to our Account No. 19-5113.

Please note that the address of the agents for the applicant in this matter should be the Montreal address identified in the enclosed Power of Attorney. Correspondence may be directed to Paul S. Sharpe at the Montreal address of Swabey Ogilvy Renault.

Respectfully submitted,



Reg. No. 39,493
Paul S. Sharpe, Agent of Record
Encls.

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**FEE TRANSMITTAL
for FY 2004**

Effective 10/01/2003. Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$) 425**Complete if Known**

| | |
|----------------------|-----------------|
| Application Number | New Application |
| Filing Date | New Application |
| First Named Inventor | BALTOIU, Len |
| Examiner Name | Unknown |
| Art Unit | Unknown |
| Attorney Docket No. | 9-15652-2US |

METHOD OF PAYMENT (check all that apply)☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:Deposit Account Number
19-5113Deposit Account Name
Ogilvy Renault

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|---------------------|----------|--------------|----------|------------------------|------------------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | |
| 1001 | 770 | 2001 | 385 | Utility filing fee | 385 |
| 1002 | 340 | 2002 | 170 | Design filing fee | |
| 1003 | 530 | 2003 | 265 | Plant filing fee | |
| 1004 | 770 | 2004 | 385 | Reissue filing fee | |
| 1005 | 160 | 2005 | 80 | Provisional filing fee | |
| SUBTOTAL (1) | | | | | (\$) 385 |

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| Total Claims | | Extra Claims | | Fee from below | | Fee Paid | |
|--------------------|----|--------------|---|----------------|--|----------|--|
| Independent | 10 | -20** = | 0 | X | | = | |
| Multiple Dependent | 3 | -3** = | 0 | X | | = | |

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|---------------------|----------|--------------|----------|--|----------------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | |
| 1202 | 18 | 2202 | 9 | Claims in excess of 20 | |
| 1201 | 86 | 2201 | 43 | Independent claims in excess of 3 | |
| 1203 | 290 | 2203 | 145 | Multiple dependent claim, if not paid | |
| 1204 | 86 | 2204 | 43 | ** Reissue independent claims over original patent | |
| 1205 | 18 | 2205 | 9 | ** Reissue claims in excess of 20 and over original patent | |
| SUBTOTAL (2) | | | | | (\$) 0 |

**or number previously paid, if greater; For Reissues, see above.

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity Small Entity

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|--------------|----------|--------------|----------|--|----------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | |
| 1051 | 130 | 2051 | 65 | Surcharge - late filing fee or oath | |
| 1052 | 50 | 2052 | 25 | Surcharge - late provisional filing fee or cover sheet | |
| 1053 | 130 | 2053 | 130 | Non-English specification | |
| 1812 | 2,520 | 1812 | 2,520 | For filing a request for <i>ex parte</i> reexamination | |
| 1804 | 920* | 1804 | 920* | Requesting publication of SIR prior to Examiner action | |
| 1805 | 1,840* | 1805 | 1,840* | Requesting publication of SIR after Examiner action | |
| 1251 | 110 | 2251 | 55 | Extension for reply within first month | |
| 1252 | 420 | 2252 | 210 | Extension for reply within second month | |
| 1253 | 950 | 2253 | 475 | Extension for reply within third month | |
| 1254 | 1,480 | 2254 | 740 | Extension for reply within fourth month | |
| 1255 | 2,010 | 2255 | 1,005 | Extension for reply within fifth month | |
| 1401 | 330 | 2401 | 165 | Notice of Appeal | |
| 1402 | 330 | 2402 | 165 | Filing a brief in support of an appeal | |
| 1403 | 290 | 2403 | 145 | Request for oral hearing | |
| 1451 | 1,510 | 1451 | 1,510 | Petition to institute a public use proceeding | |
| 1452 | 110 | 2452 | 55 | Petition to revive - unavoidable | |
| 1453 | 1,330 | 2453 | 665 | Petition to revive - unintentional | |
| 1501 | 1,330 | 2501 | 665 | Utility issue fee (or reissue) | |
| 1502 | 480 | 2502 | 240 | Design issue fee | |
| 1503 | 640 | 2503 | 320 | Plant issue fee | |
| 1460 | 130 | 1460 | 130 | Petitions to the Commissioner | |
| 1807 | 50 | 1807 | 50 | Processing fee under 37 CFR 1.17(q) | |
| 1806 | 180 | 1806 | 180 | Submission of Information Disclosure Stmt | |
| 8021 | 40 | 8021 | 40 | Recording each patent assignment per property (times number of properties) | 40 |
| 1809 | 770 | 2809 | 385 | Filing a submission after final rejection (37 CFR 1.129(a)) | |
| 1810 | 770 | 2810 | 385 | For each additional invention to be examined (37 CFR 1.129(b)) | |
| 1801 | 770 | 2801 | 385 | Request for Continued Examination (RCE) | |
| 1802 | 900 | 1802 | 900 | Request for expedited examination of a design application | |

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 40**SUBMITTED BY**

| | | | | | |
|-------------------|---|-----------------------------------|---------------|-----------|--------------|
| Name (Print/Type) | Paul S. Sharpe | Registration No. (Attorney/Agent) | 39,493 | Telephone | 613 780-8676 |
| Signature |  | Date | April 1, 2004 | | |

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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